Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/26/2020 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125860	0	3.56	125961	3.57
Blue	F	SSC	125000	124296	-1	1.86	124992	1.87
Blue	E	FITC	15892	15423	-3	2.94	336	21.62
Blue	D	PE	29999	29234	-3	2.08	636	15.68
Blue	B	PerCP-Cy5-5	43732	43484	-1	3.91	1161	21.64
Blue	A	PE-Cy7	30845	30890	0	6.60	589	43.90
Red	C	APC	46112	44575	-4	2.44	1573	12.42
Red	A	APC-Cy7	30458	29445	-4	2.39	779	12.20
Violet	B	V450	7918	7584	-5	4.17	441	13.42
Violet	A	V500	32171	30982	-4	3.99	729	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16570	20.12	658	37	N/A	N/A	Pass
Blue	F	SSC	57437	1.37	587	28	N/A	N/A	Pass
Blue	E	FITC	61	67.39	555	12	0.0168	123	Pass
Blue	D	PE	133	53.06	561	13	0.1434	275	Pass
Blue	B	PerCP-Cy5-5	215	52.95	670	14	0.0080	64	Pass
Blue	A	PE-Cy7	109	110.24	716	18	0.0095	20	Pass
Red	C	APC	380	25.48	587	3	0.0229	115	Pass
Red	A	APC-Cy7	172	28.63	558	2	0.0052	657	Pass
Violet	B	V450	67	60.65	460	2	0.0453	2028	Pass
Violet	A	V500	108	34.97	476	2	0.0239	1029	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.52	47.98 - 71.98	N/A	N/A	-32.90	-32.27	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	16.66	13.60 - 20.40	N/A	N/A	29.48	30.10	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9538

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments